



#### Hans and Zacharias Janssen

- Dutch lens grinders, father and son
- produced first compound microscope (2 lenses)

#### Robert Hooke (1665)

- English scientist
- looked at a thin slice of cork (oak cork) through a compound microscope
- observed tiny, hollow, roomlike structures
- called these structures 'cells' because they reminded him of the rooms that monks lived in
- only saw the outer walls (cell walls) because cork cells are not alive

#### Anton van Leeuwenhoek (around the same time as Hooke 1680?)

- Dutch fabric merchant and amateur scientist
- looked at blood, rainwater, scrapings from teeth through a simple microscope (1 lens)
- observed living cells; called some 'animalcules'
- some of the small 'animalcules' are now called bacteria

#### Matthias Schleiden (1838)

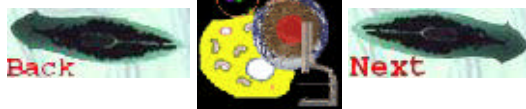
- German botanist
- viewed plant parts under a microscope
- discovered that plant parts are made of cells

#### Theodor Schwann (1839)

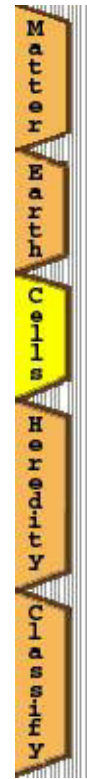
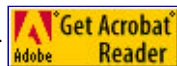
- German zoologist
- viewed animal parts under a microscope
- discovered that animal parts are made of cells

#### Rudolph Virchow (1855)

- German physician
- stated that all living cells come only from other living cells



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Updated June 15, 2000 by: [Glen Westbroek](#)

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